

Week 1, 2nd Meeting Minutes

Prepared by Sammy

August 4, 2017

Chair: Issac

1 Attendees

- Sean
- Sammy
- Pavi
- Isaac
- Ben

2 Apologies

- Huy Nguyen

3 Discuss project overview

3.1 Software architecture

- Components we discussed: Light sensor, touch sensor, Remote Infrared beacon and motors
- GUI interface - buttons and map display
- Using light sensor to detect obstacles and tracks

- Using touch sensor to capture events of buttons
- Discuss the connection between controller and EV3 vehicle
- 1. Wifi - Need to configure IP address, Java socket programming
- 2. Remote Infrared Beacon
- Motors - according to received events to determine which ways should vehicle move and control the speed

3.2 Product's version

- There are at least 3 versions for the product
- Version 1.0 - Only support control EV3 vehicle manually

3.3 Testing overview

- Prepare testing script and predicted outcomes.
- Can test the output signals.
- Before adding the new feature, make a backup of source code.
- When testing the new version of vehicle, don't only focus on new features. Please also run the whole testing script to ensure the existing vehicle's functionalities working well.

3.4 The choose of IDE

- IntelliJ
- Reason: More powerful than eclipse and free to use for students

3.5 The list of requirements

- There are a list of requirements to be discussed in the meeting such as Map information, vehicle controlling. The actual requirements will be discussed in detail after client meeting. This meeting is focusing on client questions

3.6 The questions for the client meeting next week

- What does the map look like, physical obstacles and lines?
- No go zones, are they represented physically or just graphically on the map?
- Is the starting location and orientation of the robot known?
- How much of the map do we explore?
- How is accuracy measured?
- When can we access the robot?
- **Group members can add any question to the github's readme document**

4 General Discussion/Advice

- No more than 10 percent of reuse code
- Please check readme in github. There are information about file systems for each directories.
- Don't need to use latex to make timesheet.
- Please prepare and submit your timesheet weekly.
- Please be more familiar with Github and Latex.

5 Before next meeting

- Everyone: Study Java library we are going to use for product's version 1 development.
- - GUI interface, controller
- Ben: will prepare agenda for client meeting
- **I don't remember who is responsible for taking Client meeting's minutes. If we are not yet to decide, any volunteer?**

6 Next meeting

- Date: 2pm-3pm, Monday, 7 Aug
- Location: Level 3-Room 339-Project Room
- Purpose: Briefly introduce the progress to Huy Nguyen before client meeting
- **Remark: Don't need to prepare agenda for this meeting**